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TEXAS A&M UNIVERSITY

S E M I N A R

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An Overview of Designing a Notch Filter in Different Topologies

by

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Abstract: Continuous-time filter is an important building block in the industry, which is often required in many signal processing applications such as telecommunication systems and sensors. Due to the growing demand of portable electronic device, it has been encouraging the industry to implement filters with low power supply voltage and less area. Also, these requirements should achieve high performance matrices like speed and linearity. In this presentation, I will discuss the pros and cons of the different implementations of the notch filter.

Fatima Almutairi obtained her B.Sc. and M.Sc. in Electrical Engineering from Kuwait University, Kuwait. Since 2014, she has been with the AMSC group in Texas A&M University to pursue her Ph.D. in Electrical and Computer Engineering under the supervision of Prof. Aydin Karsilayan. Her research interests include analog integrated design, active filters, adaptive tuning circuits and control.